

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lustig et al.

Group Art Unit: 1646

Serial No. 09/163,713

Examiner: Michael D. Pak

Filed: September 30, 1998

Attorney Docket No. T97-012-1

For: Nuclear Hormone Receptor Drug Screens

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being transmitted by fax to the Comm for Patents at (703) 308-4242 on November 14, 2000

Signed

Richard Osman

AMENDMENTThe Commissioner for Patents
Washington, DC 20231

Dear Commissioner:

In view of our amendments made in copending Serial No.08/975,614, please enter the following amendments in this application:

IN THE CLAIMS

Please cancel all pending claims and add new claims 32-61 as follows:

32. (New) An in vitro assay method for modulators of a nuclear hormone receptor binding function, comprising steps:

forming an in vitro mixture comprising a first nuclear hormone receptor, a peptide sensor and a candidate agent, but not a natural coactivator protein of the first receptor, wherein the sensor consists of a peptide comprising the sequence $L_1X_1X_2L_2L_3$ (SEQ ID NO:18) covalently coupled to a detectable label, wherein L_1-L_3 are independently selected from hydrophobic amino acids and X_1-X_2 are independently selected from any amino acid and wherein the peptide provides direct, in vitro ligand-dependent binding to the first receptor and is 24 or fewer residues in length;

measuring an agent-biased binding of the sensor to the first receptor by detecting the sensor of immobilized first receptor-sensor complexes;

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